

199Pb (Continued)

2129.8+v, (51/2⁺), [F] $\gamma_{1713+v} 417.0$ ($\dagger_{\gamma} 100$ 18) $\gamma_{1571+v} 558.6$ (\dagger_{γ} 1.1.3)
 2483.6+v, (53/2⁺), [F] $\gamma_{2001+v} 481.9$ ($\dagger_{\gamma} 100$ 19) $\gamma_{1571+v} 912.4$ (\dagger_{γ} 5.9 19)
 2612.5+v, (53/2⁺), [F] $\gamma_{2130+v} 482.7$ ($\dagger_{\gamma} 100$ 20) $\gamma_{1713+v} 900.0$ (\dagger_{γ} 12.5)
 3015.6+v, (55/2⁺), [F] $\gamma_{2484+v} 532.0$ ($\dagger_{\gamma} 100$ 17) $\gamma_{2001+v} 1014.2$ (\dagger_{γ} 18.6)
 3149.3+v, (55/2⁺), [F] $\gamma_{2484+v} 536.8$ (\dagger_{γ} 100)
 3164.7+v, [F] $\gamma_{2613+v} 552.2$ (\dagger_{γ} 100)
 3589.2+v, (57/2⁺), [F] $\gamma_{3016+v} 573.6$ (\dagger_{γ} 100 20) $\gamma_{2484+v} 1105.7$ (\dagger_{γ} 19.5)
 4207.4+v, (59/2⁺), [F] $\gamma_{3589+v} 618.2$ (\dagger_{γ} 100 22) $\gamma_{3016+v} 1192.1$ (\dagger_{γ} 16.6)
 0+y, J, [F]
 97.7+y, J+1, [F] $\gamma_{0+y} 97.7$ (\dagger_{γ} 100)
 232.9+y, J+2, [F] $\gamma_{98+y} 135.2$ (\dagger_{γ} 100)
 426.1+y, J+3, [F] $\gamma_{233+y} 193.2$ (\dagger_{γ} 100)
 673.5+y, J+4, [F] $\gamma_{426+y} 247.4$ (\dagger_{γ} 100)
 967.5+y, J+5, [F] $\gamma_{674+y} 294.1$ (\dagger_{γ} 100 7) $\gamma_{426+y} 541.4$ (\dagger_{γ} 103)
 1349.7+y, J+6, [F] $\gamma_{968+y} 382.1$ (\dagger_{γ} 100 20) $\gamma_{674+y} 676.2$ (\dagger_{γ} 11.3)
 1743.9+y, J+7, [F] $\gamma_{1350+y} 394.2$ (\dagger_{γ} 100 24) $\gamma_{968+y} 776.4$ (\dagger_{γ} 29.8)
 2227.3+y, J+8, [F] $\gamma_{1744+y} 483.5$ (\dagger_{γ} 100 24) $\gamma_{1350+y} 877.6$ (\dagger_{γ} 24 10)
 2737.9+y, J+9, [F] $\gamma_{2227+y} 510.5$ (\dagger_{γ} 100 26) $\gamma_{1744+y} 994.2$ (\dagger_{γ} 22.8)
 0+z, J, [F]
 242.9+z, J+1, [F] $\gamma_{0+z} 242.9$ (\dagger_{γ} 100)
 550.2+z, J+2, [F] $\gamma_{243+z} 307.3$ (\dagger_{γ} 100)
 863.2+z, J+3, [F] $\gamma_{550+z} 313.0$ (\dagger_{γ} 100 17) $\gamma_{243+z} 620.5$ (\dagger_{γ} 17.5)
 1247.8+z, J+4, [F] $\gamma_{863+z} 384.6$ (\dagger_{γ} 100 32) $\gamma_{550+z} 697.6$ (\dagger_{γ} 9.3)
 1661.8+z, J+5, [F] $\gamma_{1248+z} 414.0$ (\dagger_{γ} 100 23) $\gamma_{863+z} 798.7$ (\dagger_{γ} 20.5)
 2148.8+z, J+6, [F] $\gamma_{1662+z} 487.0$ (\dagger_{γ} 100 26) $\gamma_{1248+z} 901.4$ (\dagger_{γ} 23.9)
 2620.5+z, J+7, [F] $\gamma_{2149+z} 471.7$ (\dagger_{γ} 100)

γ from ¹⁹⁹Pb (12.2 m) IT decay <for I/y% multiply by 0.1826>

54, 424.18 (\dagger_{γ} 100) M4.

γ (¹⁹⁹Tl) from ¹⁹⁹Pb (12.2 m) EC+ β^+ decay <for I/y% multiply by ≈ 0.07 >
 145.1 15(u), 323.4 4(u), 366.90 6 (\dagger_{γ} 100) M1+E2: $\delta=+1.6$, 382 E3, 387.11(u),
 416.54(u), 896.14(u), 947.3 17(u), 1223.2 15(u), 1602.22(u), 1891.05(u),
 2399.24(u), 2612.94(u), 2751.94(u).
 γ (¹⁹⁹Tl) from ¹⁹⁹Pb (90 m) EC+ β^+ decay <for I/y% multiply by 0.0568>
 120.54 15(u) (\dagger_{γ} 1.0.3), 130.73 20(u) (\dagger_{γ} 0.5.2), 152.14 20(u) (\dagger_{γ} 1.1.4), 202.23(u)
 (\dagger_{γ} 0.5.2), 222.83 10(?) (\dagger_{γ} 1.2.5), 240.82 (\dagger_{γ} 2.8.2), 267.62 (\dagger_{γ} 6.9.4), 312.37(u)
 (\dagger_{γ} 0.5.2), 319.24(u) (\dagger_{γ} 1.6.5), 344.07(u) (\dagger_{γ} 0.65.25), 353.39 6 (\dagger_{γ} 169.8)
 M1+E2: $\delta=0.6.2$, 361.46(?) (\dagger_{γ} 6.0.20), 366.90 (\dagger_{γ} 790.40) M1+E2: $\delta=+1.6.2$, 390.34
 (\dagger_{γ} 3.0.5), 400.54 8 (\dagger_{γ} 2.23), 430.93(u) (\dagger_{γ} 3.5.8), 433.23 (\dagger_{γ} 3.0.8), 476.93
 (\dagger_{γ} 3.2.8), 494.89 10 (\dagger_{γ} 6.6.10), 503.15 20(u) (\dagger_{γ} 1.9.6), 510.90 10(?) , 521.28 7(u)
 (\dagger_{γ} 7.5.15), 537.02(u) (\dagger_{γ} 1.2.3), 574.98 15(u) (\dagger_{γ} 1.8.3), 605.86(u) (\dagger_{γ} 0.7.4),
 641.34(u) (\dagger_{γ} 1.1.2), 685.22(u) (\dagger_{γ} 1.7.2), 720.24 6 (\dagger_{γ} 116.5), 724.54(u) (\dagger_{γ} 2.0.4),
 735.43(?) (\dagger_{γ} 2.0.4), 753.92 8 (\dagger_{γ} 28.4 15), 761.98 7 (\dagger_{γ} 40.0.20), 777.20 15
 (\dagger_{γ} 5.4.5), 781.48 7 (\dagger_{γ} 33.2.20), 792.54(u) (\dagger_{γ} 1.0.3), 833.83 10 (\dagger_{γ} 3.3.5), 838.68 10
 (\dagger_{γ} 16.0.12), 874.77 9 (\dagger_{γ} 29.2.15), 911.80 15 (\dagger_{γ} 6.6.10), 937.89 8 (\dagger_{γ} 37.7.20),
 984.45(u) (\dagger_{γ} 1.0.4), 995.64 (\dagger_{γ} 2.1.4), 1005.13 8 (\dagger_{γ} 24.0.12), 1029.21 9
 (\dagger_{γ} 28.9.15), 1048.09 9 (\dagger_{γ} 5.2.8), 1052.66 9(u) (\dagger_{γ} 5.0.8), 1115.14 (\dagger_{γ} 11.3.10),
 1121.00 7 (\dagger_{γ} 26.8.15), 1135.04 8 (\dagger_{γ} 140.7) (M1), 1161.27 9 (\dagger_{γ} 15.4.10),
 1170.70 9 (\dagger_{γ} 5.5.5), 1177.24(u) (\dagger_{γ} 1.2.3), 1187.23 10 (\dagger_{γ} 8.3.8), 1209.60 10
 (\dagger_{γ} 4.6.3), 1215.23(u) (\dagger_{γ} 1.8.3), 1239.12 10 (\dagger_{γ} 37.8.15), 1265.43 (\dagger_{γ} 3.2.3),
 1291.50 10 (\dagger_{γ} 5.5.5), 1311.28 10 (\dagger_{γ} 7.0.10), 1325.73(u) (\dagger_{γ} 3.3.5), 1328.33
 (\dagger_{γ} 3.3.5), 1358.63 (\dagger_{γ} 6.2.8), 1382.71 9 (\dagger_{γ} 51.0.20), 1401.94 10 (\dagger_{γ} 18.0.10),
 1481.26(u) (\dagger_{γ} 2.4.4), 1502.04 8 (\dagger_{γ} 38.3.15), 1506.24 2(u) (\dagger_{γ} 3.8.4), 1517.12 10
 (\dagger_{γ} 8.3.6), 1524.10 15 (\dagger_{γ} 2.9.7), 1531.23 10 (\dagger_{γ} 9.2.6), 1553.33 (\dagger_{γ} 1.5.3),
 1563.30 15(u) (\dagger_{γ} 1.4.3), 1577.55(u) (\dagger_{γ} 1.0.2), 1592.58 15 (\dagger_{γ} 4.7.5), 1602.69(u)
 (\dagger_{γ} 7.3.6), 1610.67 10 (\dagger_{γ} 10.2.7), 1631.83 (\dagger_{γ} 1.6.3), 1647.26(u) (\dagger_{γ} 2.0.4),
 1658.43 9 (\dagger_{γ} 100.0), 1695.28 10 (\dagger_{γ} 6.0.5), 1725.35 (\dagger_{γ} 1.2.4), 1749.70 10
 (\dagger_{γ} 41.4.20), 1768.48 15 (\dagger_{γ} 4.0.10), 1793.10 20 (\dagger_{γ} 4.0.7), 1840.04(u) (\dagger_{γ} 1.4.2),
 1859.33(u) (\dagger_{γ} 2.3.5), 1891.33 (\dagger_{γ} 7.2.5), 1898.76 (\dagger_{γ} 1.5.5), 1930.69 20 (\dagger_{γ} 2.0.5),
 1959.50 20 (\dagger_{γ} 1.2.2), 1978.53 (\dagger_{γ} 1.3.2), 2000.61 15 (\dagger_{γ} 3.3.3), 2019.60 15(u)
 (\dagger_{γ} 1.7.3), 2031.45 (\dagger_{γ} 4.2.8), 2042.63(u) (\dagger_{γ} 2.3.6), 2046.86(u) (\dagger_{γ} 2.3.6),
 2062.50 20 (\dagger_{γ} 1.8.2), 2066.95 20 (\dagger_{γ} 1.2.1), 2078.42(u) (\dagger_{γ} 1.8.2), 2090.20 20(u)
 (\dagger_{γ} 2.9.3), 2100.33(u) (\dagger_{γ} 0.8.2), 2158.63 (\dagger_{γ} 0.8.2), 2180.24(u) (\dagger_{γ} 0.8.2),
 2206.53(u) (\dagger_{γ} 1.5.3), 2226.73(u) (\dagger_{γ} 0.5.3), 2237.29 10 (\dagger_{γ} 11.0.7), 2244.33(u)
 (\dagger_{γ} 0.6.2), 2303.73(u) (\dagger_{γ} 0.9.2), 2341.63(u) (\dagger_{γ} 2.7.2), 2361.93(u) (\dagger_{γ} 1.6.3),
 2367.05 (\dagger_{γ} 1.5.3), 2399.23(u) (\dagger_{γ} 1.4.2), 2433.13 (\dagger_{γ} 2.7.2), 2547.64(u) (\dagger_{γ} 0.5.2),
 2566.84(u) (\dagger_{γ} 0.5.2), 2643.24(u) (\dagger_{γ} 0.6.2), 2751.97(u) (\dagger_{γ} 0.3.2).

